

Product Data Sheet

SUMITOMO POLYETHYLENE LLDPE

FS250B

Linear Low Density, Cast and Blown Film

Applications	For cast stretch film, lamination film, general purpose cast and blown film applications; also for wires and cable applications.
Characteristics	Excellent processability without slip or antiblocking agents. Produces cast film with good transparency, high strength and toughness. Produces blown film with high strength.
Typical Processing Conditions	Cast extrusion : processing temperature 200 – 280 °C Blown extrusion : processing temperature 160 – 200 °C

Typical Properties

Physical		Value	Unit	Method
Melt Index	190 °C, 2.16 kg	2.2	g/10min	ASTM D1238
Density		0.921	g/cm ³	ASTM D792-A
Film		Value	Unit	Method
Tensile Strength at Break	MD / TD	40 / 30	MPa	ASTM D882
Tensile Elongation at Break	MD / TD	670 / 850	%	ASTM D882
Tensile Modulus, 1% Secant	MD / TD	160 / 155	MPa	ASTM D882
Elmendorf Tear Strength	MD / TD	70 / 215	g	ASTM D1922
Dart Drop Impact		65	g	ASTM D1709
Haze		0.7	%	ASTM D1003
Gloss	45°	150		ASTM D2457
Thermal		Value	Unit	Method
Melting Temperature		122	°C	DSC
Other		Value	Unit	Method
Flammability		HB		UL 94

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications; actual test results may vary.

Test specimen preparation conditions : as per ASTM D4976

Cast film processing conditions : extruder ø 55 mm, die width 600 mm, die gap 1.2 mm, die temperature 280 °C, chill roll temperature 30 °C, output 50 kg/h, line speed 75 m/min, thickness 20 µm

Manufacturer

FS250B is manufactured in Saudi Arabia by Rabigh Refining & Petrochemical Co. (Petro Rabigh).
Petro Rabigh is an ISO 9001, ISO 14001 and OHSAS 18001 certified company.

Food Contact Application

Unmodified FS250B complies with the requirements of :

- US FDA Regulation 21 CFR 177.1520 and its amendments
- Regulation (EC) 1935/2004/EC (Framework), EU Commission Regulation 10/2011 (PIM), Commission Regulation (EC) No. 2023/2006 (GMP) and their respective amendments

Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2011/65/EC and its amendment on RoHS in electrical and electronic equipment, are not used in the manufacturing process of FS250B and are therefore not expected to be present.

Storage and Handling

FS250B is supplied in 25 kg bags or in bulk containers depending on packaging options available for different markets. It is advisable to store in a well ventilated storage facility, protected from rain, direct exposure to sunlight, temperature and dust.

Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance and odor characteristic of the resin.

It is recommended to process FS250B within six months upon receipt.

Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment

SCA prioritizes environmental management in all our operations in responsibility and respect towards the community and the environment.

Unmodified FS250B is readily recyclable, both for reuse via reprocessing and for energy reclamation through incineration. If disposed in landfills, our products, which are inert materials, do not pose pollution risks since they do not generate gaseous or liquid emissions.

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